

ORIGINAL

15-055.20949-0000

CONFIDENTIAL

RELEASED

MAR 05 1992

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5210

Name: Lebsack Oil Production, Inc.

Address P.O. Box 489

City/State/Zip Hays, KS 67601

Purchaser: Koch

Operator Contact Person: Rex Curtis

Phone (913) 625-3046

Contractor: Name: Abercrombie Drilling, Inc.

License: 5422

Wellsite Geologist: Steve McClain/Wayne Lebsack

Designate Type of Completion

- New Well Re-Entry Workover
- Oil SWD Temp. Abd.
- Gas Inj Delayed Comp.
- Dry Other (Core, Water Supply, etc.)

If ~~OWO~~ old well info as follows:

Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

- Mud Rotary Air Rotary Cable

12-11-90 12-21-90 1/7/91

Spud Date Date Reached TD Completion Date

API NO. 15- 055-20,949

County Finney FROM CONFIDENTIAL

C SE NE Sec. 18 Twp. 22S Rge. 33 East West

3300' Ft. North from Southeast Corner of Section

660' Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

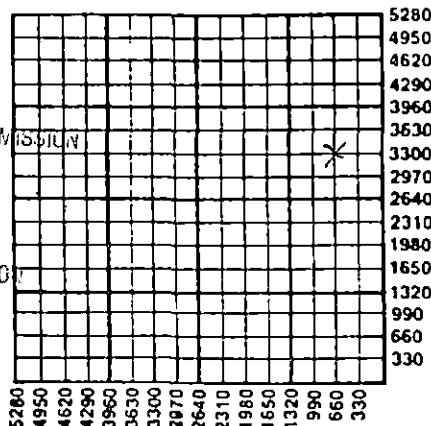
Lease Name Garden City Well # 1-18

Field Name Unknown

Producing Formation Mississippian

Elevation: Ground 2894' KB 2899'

Total Depth 4830' PBD _____



Amount of Surface Pipe Set and Cemented at 253 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2026' Feet

If Alternate II completion, cement circulated from 2026'

feet depth to surface w/ 250 lbs. cement

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

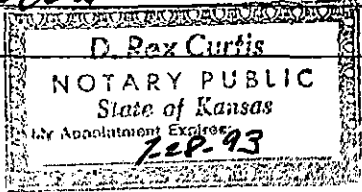
Signature [Signature]

Title Vice-President Date 2-28-91

Subscribed and sworn to before me this 28th day of February, 19 91.

Notary Public [Signature]

Date Commission Expires _____



K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Drillers Timelog Received

Distribution

KCC SWD/Rep NGPA

KGS Plug Other (Specify)

PT

SIDE TWO

Operator Name Lebsack Oil Production, Inc. Lease Name Garden City Well # 1-18
 Sec. 18 Twp. 22S Rge. 33 East County Finney
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<table style="width: 100%;"> <tr> <th colspan="3" style="text-align: center;">Formation Description</th> </tr> <tr> <td></td> <td style="text-align: center;"><input checked="" type="checkbox"/> Log</td> <td style="text-align: center;"><input type="checkbox"/> Sample</td> </tr> <tr> <td style="text-align: left;">Name</td> <td style="text-align: center;">Top</td> <td style="text-align: center;">Bottom</td> </tr> <tr> <td>Anhydrite</td> <td style="text-align: center;">1992'</td> <td style="text-align: center;">2010'</td> </tr> <tr> <td>Heebner Shale</td> <td style="text-align: center;">3798'</td> <td></td> </tr> <tr> <td>Lansing</td> <td style="text-align: center;">3842'</td> <td></td> </tr> <tr> <td>B/KC</td> <td style="text-align: center;">4318'</td> <td></td> </tr> <tr> <td>Marmaton</td> <td style="text-align: center;">4341'</td> <td></td> </tr> <tr> <td>Cherokee Sh</td> <td style="text-align: center;">4458'</td> <td></td> </tr> <tr> <td>Morrow Sd</td> <td style="text-align: center;">4673'</td> <td></td> </tr> <tr> <td>Mississippian</td> <td style="text-align: center;">4692'</td> <td></td> </tr> <tr> <td>St. Louis</td> <td style="text-align: center;">4758'</td> <td></td> </tr> <tr> <td>Old Sand</td> <td style="text-align: center;">4767'</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">4810'</td> <td></td> </tr> </table>	Formation Description				<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample	Name	Top	Bottom	Anhydrite	1992'	2010'	Heebner Shale	3798'		Lansing	3842'		B/KC	4318'		Marmaton	4341'		Cherokee Sh	4458'		Morrow Sd	4673'		Mississippian	4692'		St. Louis	4758'		Old Sand	4767'			4810'	
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CASING RECORD T.D. New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/2"	8-5/8"	28#	253'	60-40pozmix	175	2%gel 3%cc
Production	7-7/8"	5-1/2"	14#	4828'	Prem/Plus HOWCO	375	1/4#Floocel 2%cc

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth
3	4764' - 70'	500/gal. 15% FE & 500/gal Diesel/ 2 gal. HyFlo & 20/gal xylene

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	4789'		<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First Production 1/29/91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
		45				3		29

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

Production Interval _____

Drill Stem Test No. 1

ORIGINAL

Interval: (4400' to 4440')
Formations tested: Marmaton Limestone

Period	Time	Pressure Data	Description
IHSP		2186	
IFP	30 min	38 - 45	A weak blow in the bucket increased to 2".
ISIP	30 min	707	Not stabilized in 30".
FFP	30 min	49 - 61	Weak blow increasing only to 1/2" in the bucket.
FSIP	60 min	726	Close to stabilization.
FHSP		2147	

Recovered: 30' of Slightly oil spotted mud, with a show of oil on top of the tool.
No water recovered. BHT = 111 deg.

Drill Stem Test No. 2

Interval: (4650' to 4685')
Formation: Morrow Sandstone

Period	Time	Pressure Data	Description
--------	------	---------------	-------------

Misrun - tool could not get to bottom.

Drill Stem Test No. 3

Interval: (4694' to 4812')
Formations tested: Mississippian/St. Louis
(Pressure readings below are office readings)

CONFIDENTIAL

Period	Time	Pressure Data	Description
IHSP		2324	
IFP	30 min	108 - 237	A weak blow increased off the bottom in 14 minutes.
ISIP	30 min	865	Still building slightly. (p* extrapolated ISIP = 938)
FFP	30 min	219 - 260	An 8" blow increased to off the bottom in 3 minutes.
FSIP	60 min	851	Still building slightly. (p* extrapolated FSIP = 917)
FHSP		2251	

Recovered: 3300' of Gas in the pipe.
425' of Clean gassy oil.
180' of Oil and gas cut mud (49% mud, 17% oil, 34% gas).
90' of Oil and gas cut mud (49% mud, 32% oil, 19% gas).
No water recovered. BHT = 115 deg.

Ph 483-2627, Russell, Kansas
Phone 316-793-5861, Great Bend, Kansas

ORIGINAL

CONFIDENTIAL

MAR 05 1992
Phone Plainville 913-434-2812
Phone Ness, Ct. 913-798-3843

DEC 20 1990

FROM CONFIDENTIAL

ALLIED CEMENTING CO., INC.

No. 7192

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	12-12-90	Sec.	18	Twp.	1922	Range	33	Called Out	8:00 PM	On Location	11:00 AM	Job Start	1:00 PM	Finish	4:30
Lease	3166001	Well No.	1-18	Location	Freud 41063	County	Frederick	State	Mo						

Contractor	ABC Cementing Co.	Owner	Same
Type Job	Surface	To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.	
Hole Size	12 1/4	T.D.	254'
Csg.	8 5/8	Depth	253'
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.	15'	Shoe Joint	
Press Max.		Minimum	
Meas Line		Displace	14.85
Perf.			

Charge To	Lebsack Oil Products
Street	
City	State
The above was done to satisfaction and supervision of owner agent or contractor	
Purchase Order No.	
X	

EQUIPMENT

Pumptrk	No. 63	Cementer	Ken
		Helper	John
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	116	Driver	Bob
		Driver	

CEMENT	
Amount Ordered	175.50 64/40 270 gal 3 1/2 cu
Consisting of	
Common	RECEIVED
Poz. Mix	STATE CORPORATION COMMISSION
Gel.	
Chloride	MAR - 1 1991
Quickset	
	CONSERVATION DIVISION Wichita, Kansas
	Sales Tax

DEPTH of Job

Reference:	pump truck chg.	
	no. lease	
	8 3/4 TWP	
		Sub Total
		Tax
		Total

Handling	
Mileage	
	Sub Total
	Total
Floating Equipment	1-8 5/8 Basket

Remarks: Cement D. J. C.R.L.

 Allied cementing co.
 by Kris Hitzler

TH...

ORIGINAL

P.O. BOX 951046
DALLAS, TX 75395-1046

RELEASED

INVOICE

ORIGINAL HALLIBURTON SERVICES

A Halliburton Company

CONFIDENTIAL

INVOICE NO. MAR 0 5 1990

043035/12/21/1990
FROM CONFIDENTIAL

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
GARDEN CITY 1-18		FINNEY		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE		TICKET DATE	
LIBERAL	ABERCROMBIE	CEMENT PRODUCTION CASING		12/21/1990	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
504660	W.C.CRAIG			COMPANY TRUCK	07587

LEBSACK OIL PRODUCERS INC
BOX 489
HAYS, KS 67601

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF NO	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	85	MI	2.35	199.75
		1	UNT		
000-118	MILEAGE SURCHARGE-CEMENT-LAND	85	MI	.40	34.00
		1	UNT		
007-013	MULT STAGE CEMENTING-1ST STAGE	4838	FT	1,260.00	1,260.00
001-016		1	UNT		
007-161	MULT STAGE CEMENTING-ADD STAGE	1	STG	950.00	950.00
		1	UNT		
12A	GUIDE SHOE - 5 1/2" 8RD THD.	1	EA	104.00	104.00 *
825.205					
24A	INSERT FLOAT VALVE - 5 1/2" 8RD	1	EA	83.00	83.00 *
815.19251					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	30.00	30.00 *
815.19311					
40	CENTRALIZER 5-1/2" MODEL S-4	6	EA	44.00	264.00 *
807.93022					
66	FASGRIP LIMIT CLAMP 5 1/2"	1	EA	11.30	11.30 *
807.64031					
320	CEMENT BASKET 5 1/2"	1	EA	90.00	90.00 *
800.8883					
350	HALLIBURTON WELD-A	1	LB	11.00	11.00 *
890.10802					
71	MULT STAGE CMTR-5-1/2 8RD	1	EA	2,450.00	2,450.00 *
813.80300					
75	PLUG SET 5 1/2"	1	EA	400.00	400.00 *
812.0162					
007-203	MULT STAGE CEMENTING-ADD HRS	7	HR	165.00	1,155.00
		1	EA		
504-043	PREMIUM CEMENT	125	SK	6.85	856.25 *
508-002	POTASSIUM CHLORIDE	350	LB	.25	87.50 *
508-101	THIXSET COMPONENT A	117	LB	5.35	625.95 *
508-103	THIXSET COMPONENT B	30	LB	7.45	223.50 *

RECEIVED
STATE CORPORATION COMMISSION

MAR - 1 1991

CONSERVATION DIVISION
Ocala, Kansas

***** CONTINUED ON NEXT PAGE *****

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

ORIGINAL

RELEASED
P.O. BOX 951046
DALLAS, TX 75395-1046
MAR 5 1991

HALLIBURTON SERVICES **CONFIDENTIAL**

INVOICE

INVOICE NO. 043025
DATE 12/21/1990
FROM CONFIDENTIAL

ORIGINAL
Halliburton Company

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
GARDEN CITY 1-18		FINNEY		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
LIBERAL		ABERCROMBIE		CEMENT PRODUCTION CASING		12/21/1990
ACCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER		SHIPPED VIA	FILE NO.
504660	W.C.CRAIG				COMPANY TRUCK	07507

LEBSACK OIL PRODUCERS INC
BOX 489
HAYS, KS 67601

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF NO	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
504-050	PREMIUM PLUS CEMENT	50	SK	7.08	354.00 *
504-120	HALL. LIGHT -PREMIUM PLUS	200	SK	6.29	1,258.00 *
507-210	FLOCELE	50	LB	1.30	65.00 *
509-406	ANHYDROUS CALCIUM CHLORIDE	1	SK	25.75	25.75 *
500-307	MILEAGE SURCHARGE-CEMENT MAT.	948.12	TMI	.10	94.81
500-207	BULK SERVICE CHARGE	380	CFT	1.10	418.00 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	948.12	TMI	.75	711.09 *
INVOICE SUBTOTAL					11,761.90
DISCOUNT - (SPECIAL)					1,176.21-
*-KANSAS STATE SALES TAX					308.61
*-SEWARD COUNTY SALES TAX					72.63
INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>					\$10,966.93

RECEIVED
STATE COMMISSION

MAR - 1 1991

CON. DIVISION
Topeka, Kansas

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

DISTRICT Liberal, KS ORIGINAL

DATE 12-21-90
FROM CONFIDENTIAL

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: Leback Oil Production (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. #1-18 LEASE Garden City SEC. 18 TWP. 22S RANGE 33W

FIELD _____ COUNTY Finney STATE Kansas OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE _____ SET AT _____
TOTAL DEPTH 4830 MUD WEIGHT _____
BORE HOLE 7 7/8
INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW UEGG	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>N</u>	<u>15.5</u>	<u>5 1/2</u>	<u>K.B.</u>	<u>4830</u>	
LINER					<u>4830</u>	
TUBING						
OPEN HOLE			<u>D.V. Tool 2</u>	<u>2071</u>		SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
Cement 5 1/2 O.V. 1 bag setting w/ 1255KX THIXSET Premium - 570 KCL
1st Stage + 200SKS Pt Lt wt. 1 1/2" Flo + 50SKS Pt 270 P.P. 2nd Stage

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.

b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:

- Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
- Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
- Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.

c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.

d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.

f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.

g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.

h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

MAR - 6 1991

SIGNED W.C. Craig CUSTOMER

DATE 12-21-90

TIME 11:55 (A.M.) P.M.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

FIELD OFFICE

JOB LOG

WELL NO. 1-11 LEASE (Cotton Co.) TICKET NO. 4 **RELEASED**

CUSTOMER *Lebsnick O.I Prod.* PAGE NO. 1

FORM 2013 R-2

JOB TYPE *5 1/2 L.S. O.V.* DATE *12-21-70* MAR 05 1969

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	06.30							CALLIED OUT
	11.00							ON LOCATION - Laying Down D.P.
1	22.35							Hook up to Circ 1st Stage
2	23.05							Hook up to Cement
3	23.10	8.5	31.8		2		100	Mix + Pump Cement
4	23.22							Shut Down Wash Pumps + Lines
5	23.25							Drop Plug
6	23.27	4	117		2		9/400	Start Displacement
7	24.00						400/118	Shut Down w/ 118 118 Plug did not load
8	00.03						0	Float Holding - Drop opening Tool
9	00.20				1		1250*	Open Tool
10	00.30							Hook-up Rig to Circulate
11	00.40		9.5		1			Plug Put + Mouse Hole 2nd Stage
12	00.55							Hook up Cement 2nd stage
13	01.00	6	85.7		2		100/300	Mix + Pump Cement
14	01.12						10	Shut Down Wash Pumps + Lines
15	01.13							Drop Plug
16	01.15	5	51		2		100/500	Start Displacement
17	01.24	1.5			1		500/1500	Plug loaded - Tool Closed
18	01.25						0	Released back - OK
								Thanks C. Am... & Gen

STATE OF TEXAS - VEN

MAR - 6 1991

WELL DATA

MAR 05 1991

FIELD _____ SEC. _____ TWP. _____

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH **4830**

ORIGINAL

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	15.5	5 1/2	K.O.	4830	
LINER					4830	
TUBING						
OPEN HOLE			D.V. Tool	2	2071	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
Weld A 1#	1	Howco
D.V. Tool 5 1/2	1	Howco
Reg Cnt 5 1/2	1	Howco
S-4 5 1/2	6	Howco
3 O.V. Plug 5 1/2 set	1	Howco
Insert J.F.U. 5 1/2	1	Howco
Forged 5 1/2	1	Howco
Cnt 6 1/2	1	Howco

CALL OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
12-21-90	12-21-90	12-21-90	12-21-90
TIME 06:30	TIME 11:06	TIME 22:35	TIME 01:25

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
C. Davis	71322	37458 PRUP 2, Beral, KS.
R. King	C1373	75476 PCM " "
D. Phillips	60978	5692 BULK Hugotony, KS.
Bocon	09366	5303 BULK " "

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-API

DISPL. FLUID _____ DENSITY _____ LB/GAL-API

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN.

NE AGENT TYPE _____ GAL. _____ IN.

FLUID LOSS ADD. TYPE _____ GAL-LB. _____ IN.

GELLING AGENT TYPE _____ GAL-LB. _____ IN.

FRIC. RED. AGENT TYPE _____ GAL-LB. _____ IN.

BREAKER TYPE _____ GAL-LB. _____ IN.

BLOCKING AGENT TYPE _____ GAL-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT **Cement**

DESCRIPTION OF JOB **5 1/2 L.S. D.V.**

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE **X W.C. Craig**

HALLIBURTON OPERATOR **C. Davis**

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU FT/SK.	MIXED LBS/GAL.
1	125	THIXSET	P	B	5% K.C.L.	1.43	14.5
2	200	Lt. WT	P+	B	1/4% F10	2.1	12.3
2	50	Neat	P+	B	2% C.C.	1.32	11.8

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET **22.70** REASON **Insert Float**

SUMMARY

VOLUMES

PRESLUSH: BBL-GAL. _____ TYPE _____

LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. **1st stage**

TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. **65 H₂O**

CEMENT SLURRY: BBL-GAL. **117.5** **49 H₂O**

TOTAL VOLUME: BBL-GAL. _____

REMARKS **2nd stage 49 H₂O**

Float Held

Plug did not land on 1st stage